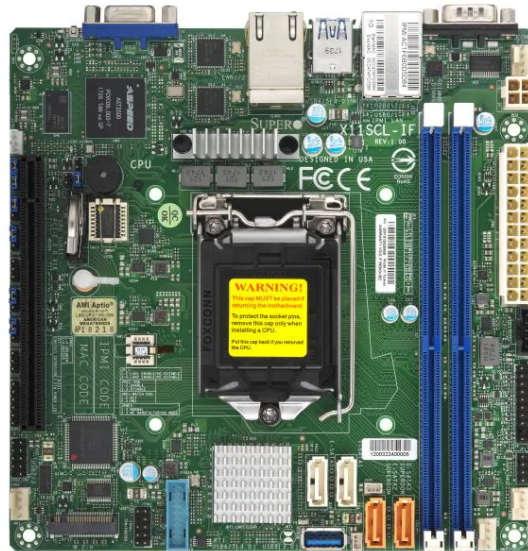


X11SCL-iF



Key Features

1. 8th/9th Generation Intel® Core™i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor, Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP
2. Intel® C242 chipset
3. Up to 64GB DDR4 2666MHz ECC UDIMM; 2 DIMM slots
4. **M.2 Interface:** 1 SATA/PCI-E 3.0 x4
Form Factor: 2280
Key: M-Key
Double Height Connector
5. Dual GbE LAN with Intel® i210-AT
6. M.2 NGFF connector
7. 4 SATA3 (6Gbps); RAID 0, 1, 5, 10
8. Support up to 6 Cores

Specifications

Expansion Slots

PCI-E	<ul style="list-style-type: none"> 1 PCI-E 3.0 x16 (in x16 slot)
M.2	<ul style="list-style-type: none"> M.2 Interface: 1 SATA/PCI-E 3.0 x4 Form Factor: 2280 Key: M-Key

System BIOS

BIOS Type	<ul style="list-style-type: none"> 256MB UEFI
BIOS Features	<ul style="list-style-type: none"> ACPI 6.0 SMBIOS 2.7 Plug and Play (PnP) RTC (Real Time Clock) Wakeup UEFI 2.7 USB Keyboard support PCI 3.0

Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5, <u>SSM</u>, KVM with dedicated LAN, <u>SSM</u>, <u>IPMI2.0</u>, Watchdog
Power Configurations	<ul style="list-style-type: none"> Power-on mode for AC power recovery, ACPI Power Management

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 4 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages
LED	<ul style="list-style-type: none"> UID/Remote UID CPU / System Overheat LED
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI
FAN	<ul style="list-style-type: none"> 4x 4-pin fan headers (up to 4 fans) Thermal control tachometer fan connectors PWM fan speed control 4 fans with tachometer monitoring Overheat LED indication
Other Features	<ul style="list-style-type: none"> WOL, UID, M.2 NGFF connector, Dual Cooling Zones, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, ACPI power management

Operating Environment

Product SKUs		Operating Temperature Range	■ 0°C - 50°C (32°F - 122°F)
MBD-X11SCL-iF	■ X11SCL-iF	Non-Operating Temperature Range	■ -40°C - 70°C (-40°F - 158°F)
Physical Stats		Operating Relative Humidity Range	■ 8% - 90% (non-condensing)
Form Factor	■ Mini-ITX	Non Operating Relative Humidity Range	■ 5% - 95% (non-condensing)
Dimension	■ 6.7" x 6.7" (17.02cm x 17.02cm)		
Processor			
CPU	<ul style="list-style-type: none"> ■ 8th/9th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor ■ Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP 		
Core	■ Up to 6 cores, 12 threads		
Note	■ BIOS version 1.0b or above is required to support Intel® Xeon® E-2200 and 9th Generation Intel® Core™ i3/Pentium®/Celeron® Processors		
System Memory			
Memory Capacity	<ul style="list-style-type: none"> ■ 2 DIMM slots ■ Up to 64GB ECC UDIMM, DDR4-2666MHz 		
Memory Type	■ 2667/2400/2133MHz SDRAM 72-bit,		
DIMM Sizes	■ 4GB, 8GB, 16GB, 32GB		
Memory Voltage	■ 1.2V		
Error Detection	■ Corrects single-bit errors		
On-Board Devices			
Chipset	■ Intel® C242		
SATA	■ Intel® C242 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10		
IPMI	■ ASPEED AST2500		
Graphics	■ ASPEED AST2500 BMC		
Network Controllers	■ Dual LAN with 1GbE with Intel® I210		
Input / Output			
USB	<ul style="list-style-type: none"> ■ 4 USB 2.0 port(s) (2 rear; 2 via header) ■ 7 USB 3.2 Gen2 port(s) (2 via header; 2 rear type A; 2 rear; 1 type A) 		
Video Output	■ 1 VGA port(s)		
Serial Port	■ 1 COM Port(s) (1 rear)		
DOM	■ 2 SATA <u>DOM</u> (Disk on Module) power connector support		
TPM	■ 1 TPM Header		

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SCL-iF	1	X11SCL-iF Motherboard
I/O Cables	CBL-0044L • <i>eStore</i>	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • <i>eStore</i>	1	STD I/O Shield for X11SCL-F with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SCL-iF	1	X11SCL-iF Motherboard
I/O Cables	CBL-0044L • <i>eStore</i>	4	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • <i>eStore</i>	1	STD I/O Shield for X11SSL-F with EMI Gasket
QRG	MNL-2088-QRG	1	Motherboard Quick Reference Guide

Optional Parts List			
Name	Part Number	Qty	Description
TPM security module	<u>AOM-TPM-9671H</u>	1	SPI capable TPM 1.2 with Infineon 9670 controller with horizontal form factor
	<u>AOM-TPM-9670H</u>	1	
	<u>AOM-TPM-9671V</u>	1	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor
	<u>AOM-TPM-9670V</u>	1	
			SPI capable TPM 1.2 with Infineon 9670 controller with vertical form factor
			SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor

Chassis (Optimized for X11SCL-iF)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
Heatsink:SNK-P0049A4 Heatsink:SNK-P0046A4	● <u>SC504-203B</u> ● <u>SC505-203B</u> Heatsink:SNK-P0049A4 Heatsink:SNK-P0046A4			● <u>SC721TQ-350B2</u> Heatsink:SNK-P0049A4 Heatsink:SNK-P0046A4	<u>SC721TQ-350B2</u>

● = Most optimized Chassis for SuperServer Configuration
 Blue color = Compatible
 Green color = Global SKU & Compatible
 Red dot & green color = Optimized + Global SKU

Server (Optimized for X11SCL-iF)

Server Name
<u>SYS-5019C-FL</u>
<u>SYS-5019C-L</u>
<u>SYS-5029C-T</u>

